

Peak District National Park

Forecast valid from 00:00 on Tuesday 17 Aug 2021 until 23:59 on Wednesday 18 Aug 2021

Forecast Issued on Monday 16 Aug 2021 at 14:30

Confidence: High confidence of cool, damp conditions overnight into Tuesday. Low confidence in showers on Thursday and timing of more significant rain during the weekend.

Headline for Tuesday 17 Aug 2021: Cloudy and breezy, with outbreaks of rain and drizzle, gradually easing through the afternoon.

Mountain weather hazards on Tuesday 17 Aug 2021

Blizzards

No Likelihood

Gales

Low Likelihood

Thunderstorms

No Likelihood

Heavy Snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

Low Likelihood

Storm force winds

No Likelihood

Poor visibility

High Likelihood

Strong sunlight

Low Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
						FOG	FOG
Cloudy	Drizzle	Heavy Rain	Light rain	Light rain	Cloudy	Fog	Fog
Precipitation probability							
20%	60%	80%	70%	60%	40%	40%	40%

Forecast for Tuesday 17 Aug 2021

Weather: Cloud increasing shortly after midnight, bringing outbreaks of rain and drizzle. These are likely to be rather heavy during the early morning but should become lighter and more intermittent in the afternoon. However, it is likely to remain predominantly cloudy with fog across the peaks. Feeling rather cool with brisk westerly winds and cloud cover.

Chance of cloud free mountain/hill tops above 600m: Around 70% initially, but soon lowering to 20-30%.

Visibility: Initially good, but occasional rain and extensive cloud soon spreading in with bases 400-600m, making visibility generally poor, or very poor at height. Cloud occasionally lifting to 800m in the east in the afternoon, allowing for better visibility here.

Forecast for Tuesday 17 Aug 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	17/22 W	19/26 W	23/31 W	24/33 W	22/31 W	20/28 W	17/24 W	15/21 W	15/21 W
300	12/18 W	15/23 W	18/27 W	19/28 W	19/29 W	17/26 W	14/23 W	12/20 W	12/19 W
Valley	8/17 W	10/21 W	12/24 W	13/26 W	15/28 W	12/25 W	10/22 W	9/19 W	9/18 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/6	10/7	11/7	11/8	12/8	12/9	12/9	11/8	11/8
300	12/10	12/9	12/9	13/10	14/10	14/11	14/11	13/11	12/10
Valley	12/11	12/11	13/10	13/11	14/11	14/12	14/13	13/12	13/11
Freezing Level*	3000m	3400m	3300m	3100m	3100m	3000m	2900m	3000m	3100m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Brisk westerly winds with gusts of 35-45mph possible in exposure.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at
14:00 on Mon 16 Aug 2021

Last 24 hours:
7.4mm

Last 48 hours:
9.4mm

Last 72 hours:
9.4mm

Forecast for Wednesday 18 Aug 2021

Weather: Cloudy on Tuesday night with some hill fog and drizzle, mainly in the west. Generally becoming brighter through Wednesday, but probably remaining rather cloudy in the west with the odd spot of light rain.

Maximum wind: West/northwesterly 20-25mph gusting 35-40mph.

Chance of cloud free mountain/hill tops above 600m: 30-40% in the west, 70-80% in the east.

Visibility: Generally good but occasional low cloud, with bases 400-600m, overnight and continuing in the west through the day will make the visibility occasionally poor.

Temperature: **Valleys:** 10 C rising to 20 C in the early afternoon.
At 600m: 10 C rising to 13 C in the early afternoon.
Freezing level: Well above summits.